

Report No.:

Test Time: 2022/8/29 14:38

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: PNP240SMWH

Luminous Length (mm): 610

Luminous Height (mm): 35

Current: 0.485 A

Power Factor: 1.000

Luminaire Description: PNP240SMWH

Luminous Width (mm): 25

Voltage: 24.0 V

Power: 11.64 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 1074.6 lm

Downward Ratio: 79%

Horizontal Diffuse Angle(10%,50%): H302.1,H153.7

Vertical Diffuse Angle(10%,50%): V258.9,V134.7

Luminaire Efficacy Rating (LER): 92

Max. Intensity: 217.59 cd

Total Rated Lamp Lumens: 1074.6 lm

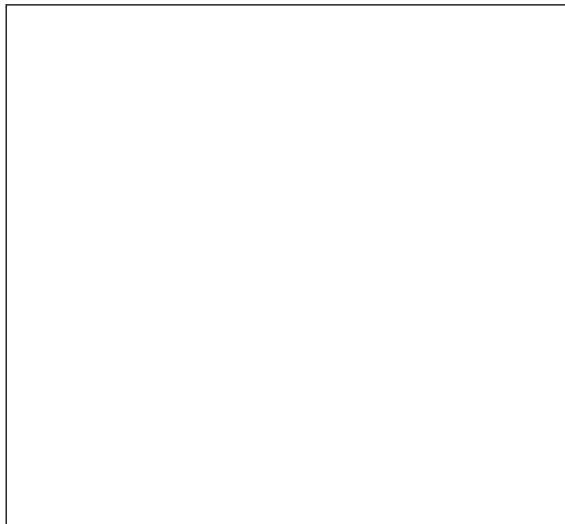
Efficiency: 100%

Upward Ratio: 21%

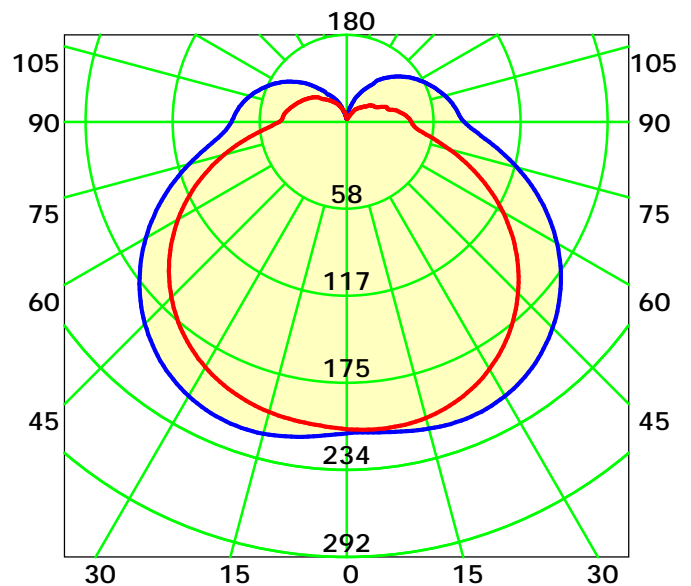
Central Intensity: 209.41 cd

Pos of Max. Intensity: H180 V19

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 144.2° Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Jacky

Gamma Plane (°):0.0-180.0: 1.0

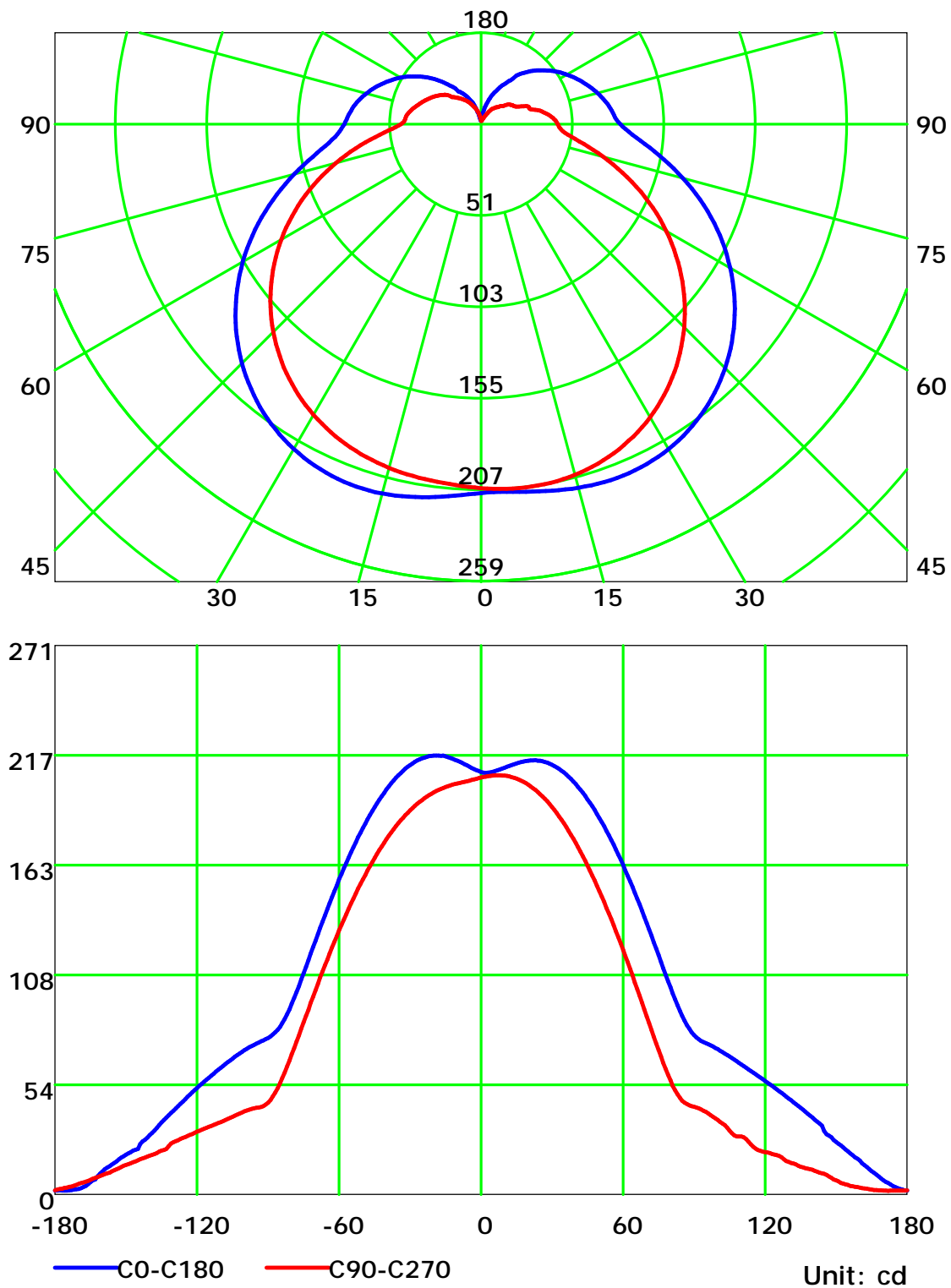
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

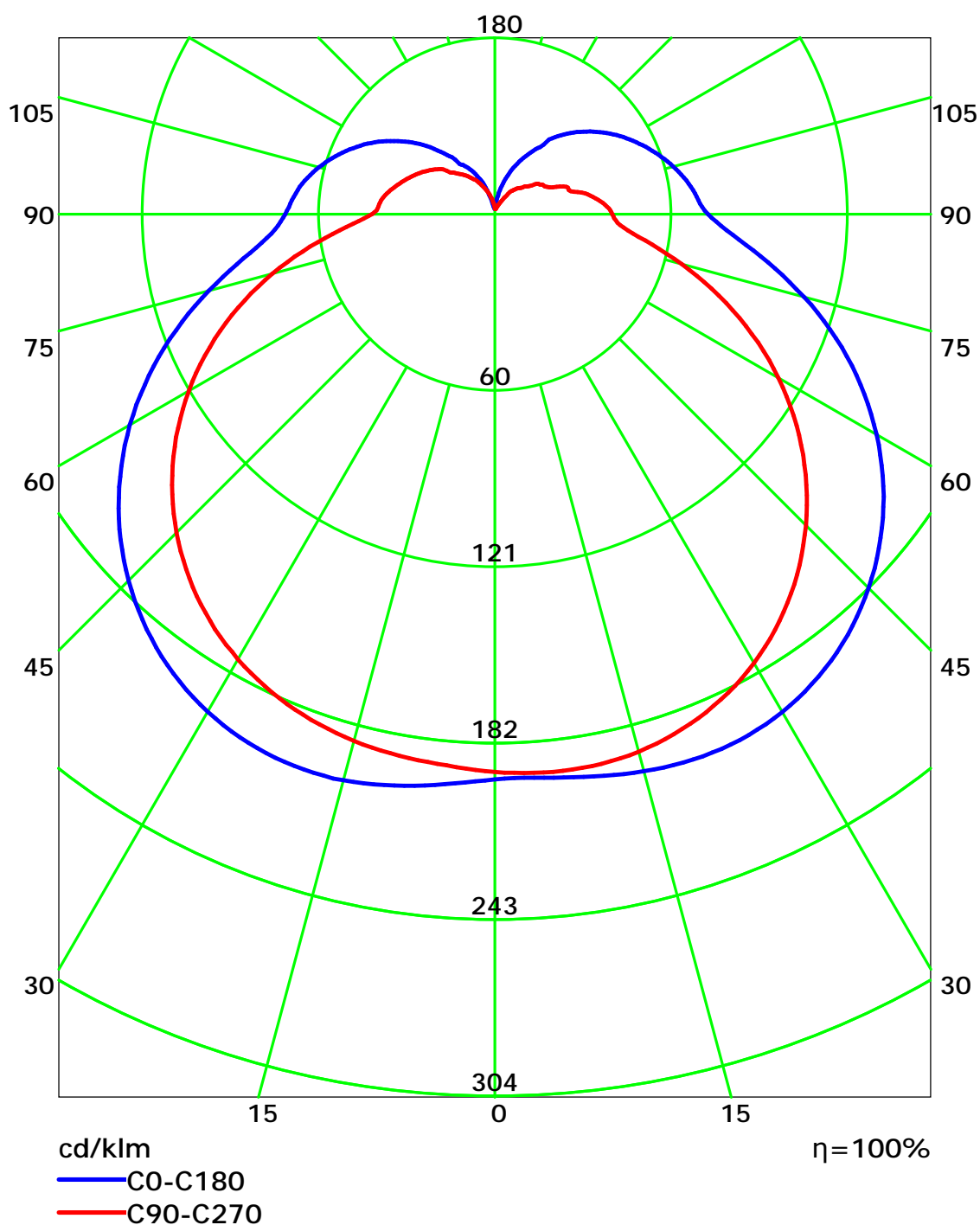
Luminous Intensity Distribution Curve



C Plane (°): 0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

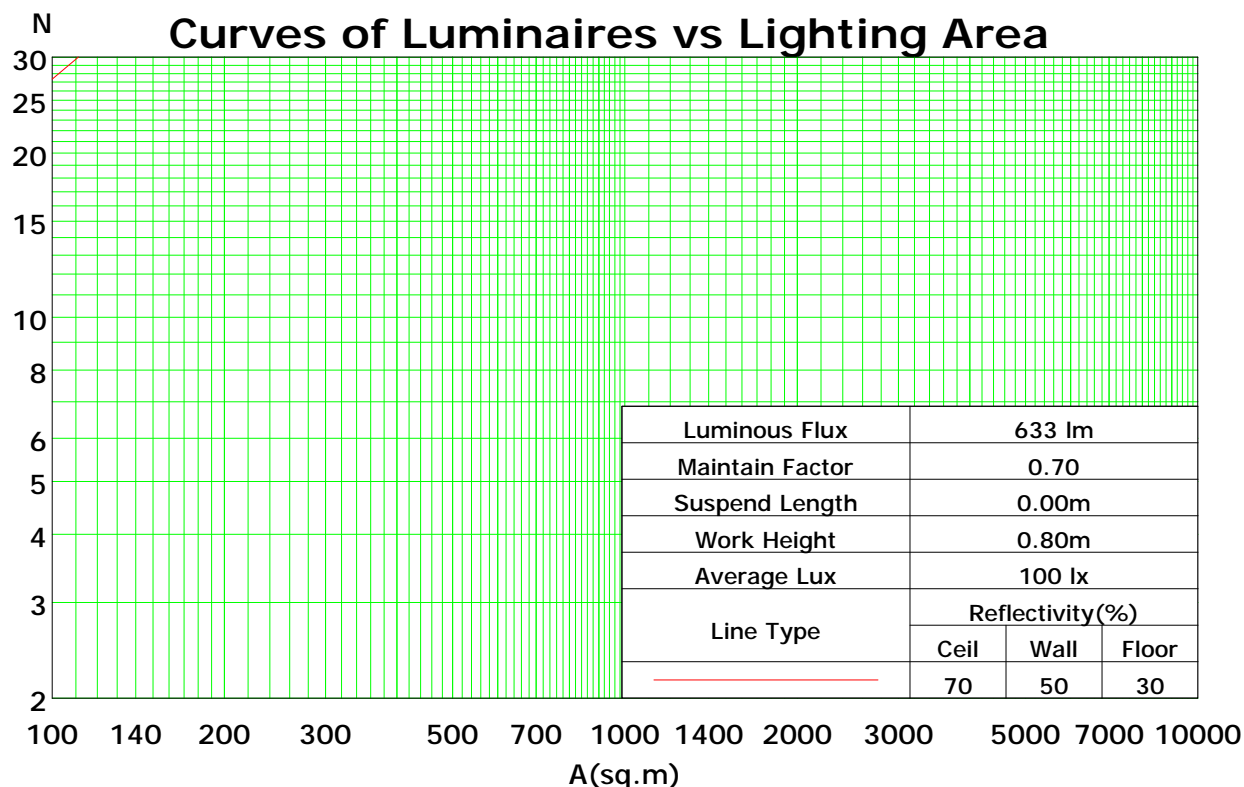
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	79
1	101	96	90	86	96	91	87	82	83	79	76	76	73	70	69	66	64	61
2	91	82	74	68	86	78	71	65	71	65	60	65	60	56	59	55	52	48
3	82	71	62	55	78	68	60	53	62	55	49	56	51	46	51	46	43	39
4	75	62	53	46	71	59	51	44	54	47	41	49	43	39	45	40	36	33
5	69	55	46	39	65	53	44	37	48	41	35	44	38	33	40	35	31	28
6	63	49	40	33	60	47	38	32	43	36	30	40	33	28	36	31	27	24
7	58	44	35	29	55	42	34	28	39	32	26	36	30	25	33	27	23	21
8	54	40	31	25	51	39	30	25	36	28	23	33	27	22	30	25	21	18
9	50	37	28	23	48	35	27	22	33	26	21	30	24	20	28	22	19	16
10	47	34	26	20	45	32	25	20	30	23	19	28	22	18	26	20	17	15

Spacing Criteria (0-180): 1.51

Spacing Criteria (90-270): 1.38

Spacing Criteria (Diagonal): 1.53



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator: Jacky

Gamma Plane (°):0.0-180.0: 1.0

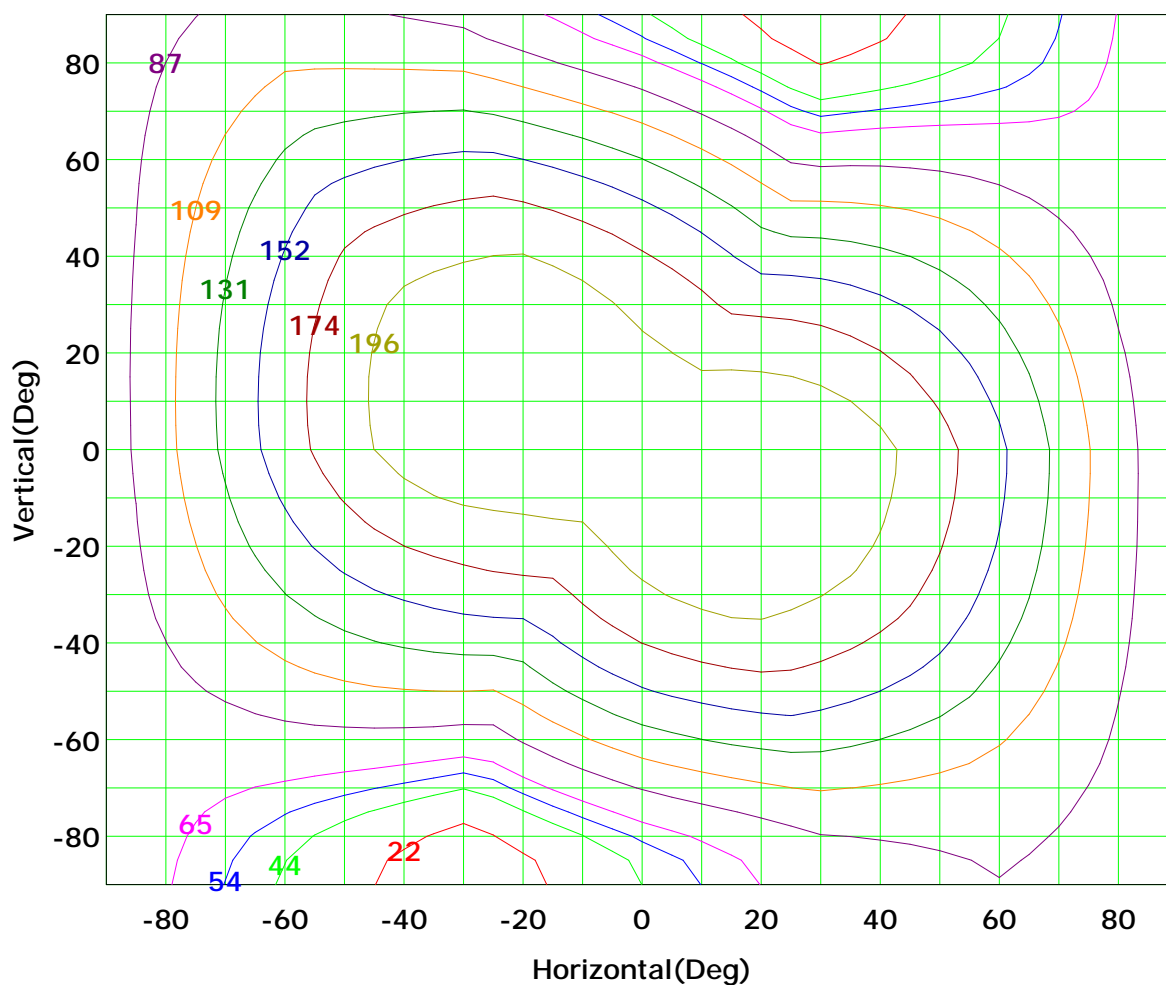
Test Device: GPM-1800B

Distance: 9.028 m

Humidity: 60%

Inspector:

Isocandela (rectangle)



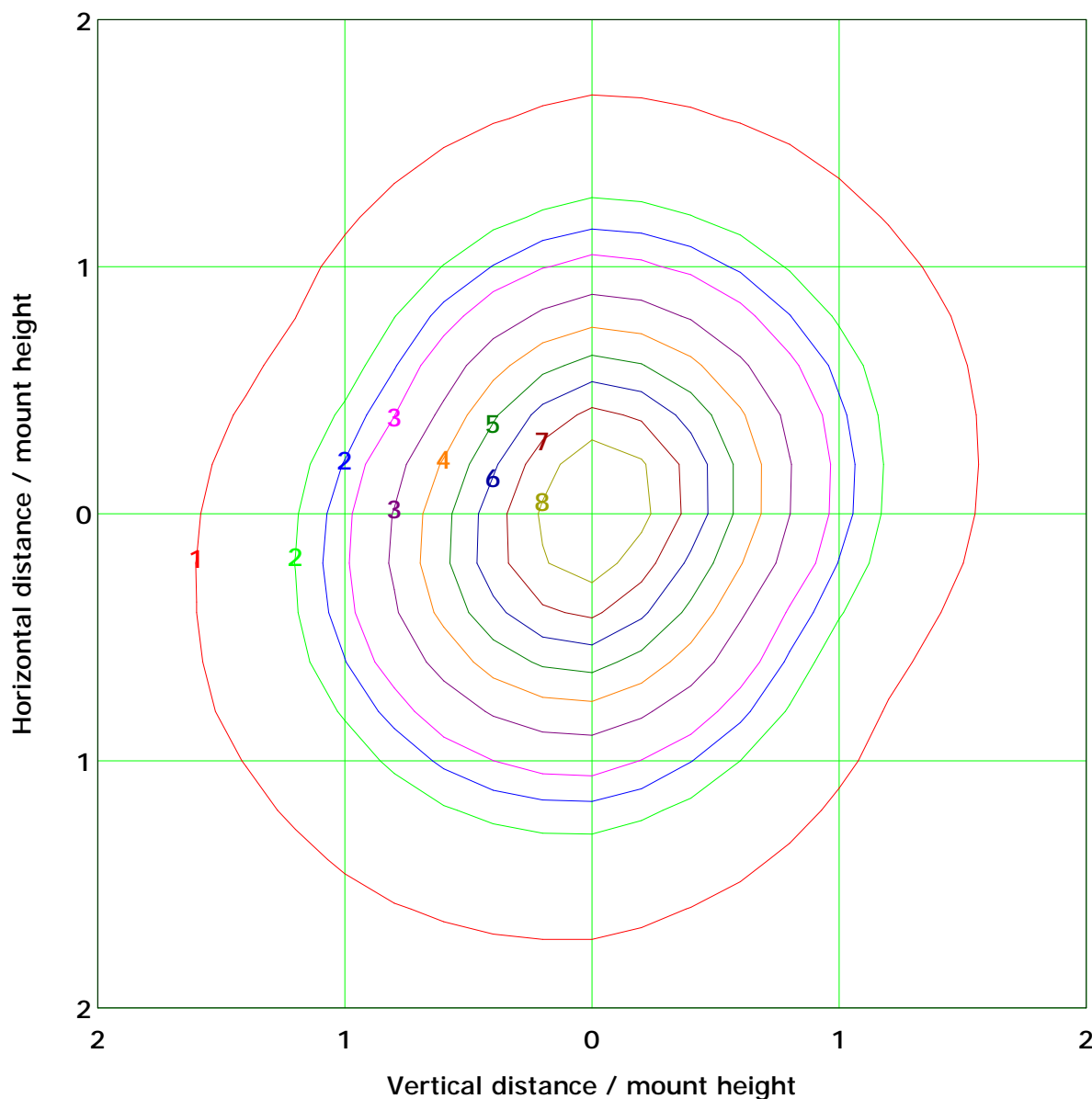
I_{max} (100%): 218 cd

(10%):	22 cd	(20%):	44 cd
(25%):	54 cd	(30%):	65 cd
(40%):	87 cd	(50%):	109 cd
(60%):	131 cd	(70%):	152 cd
(80%):	174 cd	(90%):	196 cd

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

IsoLux Plot



Mounting Height: 5.0m Max Lux(100%): 8.4 lx

(10%): 0.8 lx	(20%): 1.7 lx
(25%): 2.1 lx	(30%): 2.5 lx
(40%): 3.4 lx	(50%): 4.2 lx
(60%): 5.0 lx	(70%): 5.9 lx
(80%): 6.7 lx	(90%): 7.6 lx

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

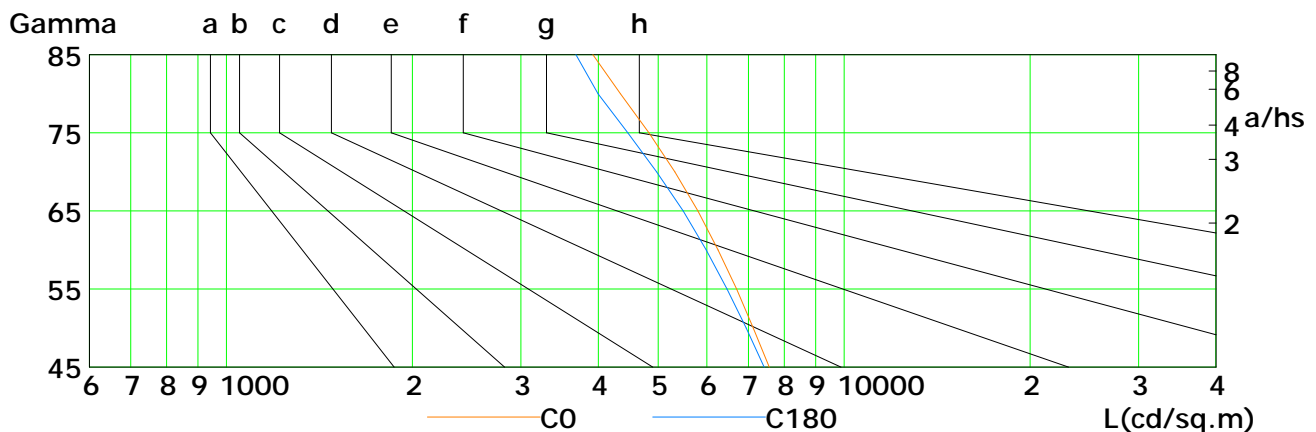
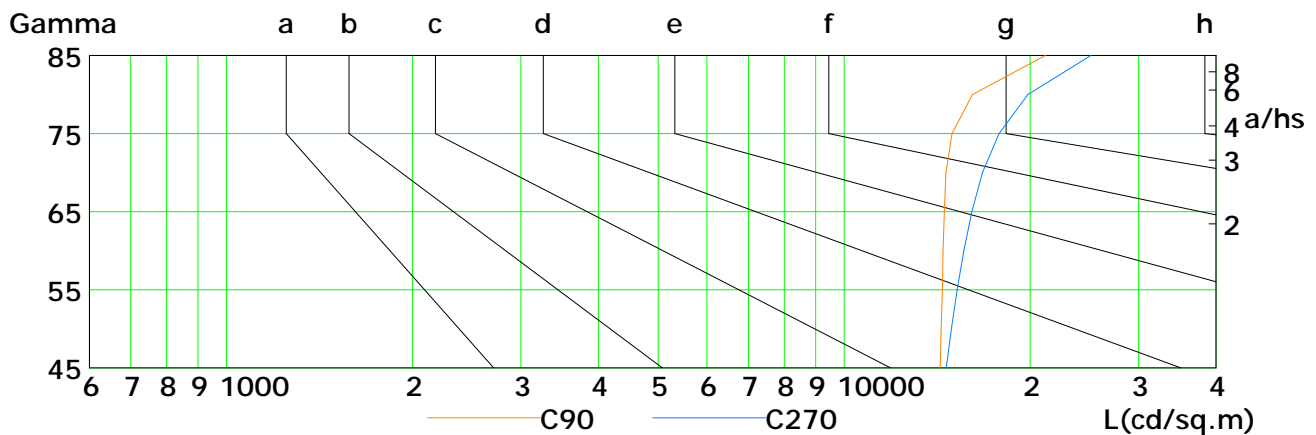
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



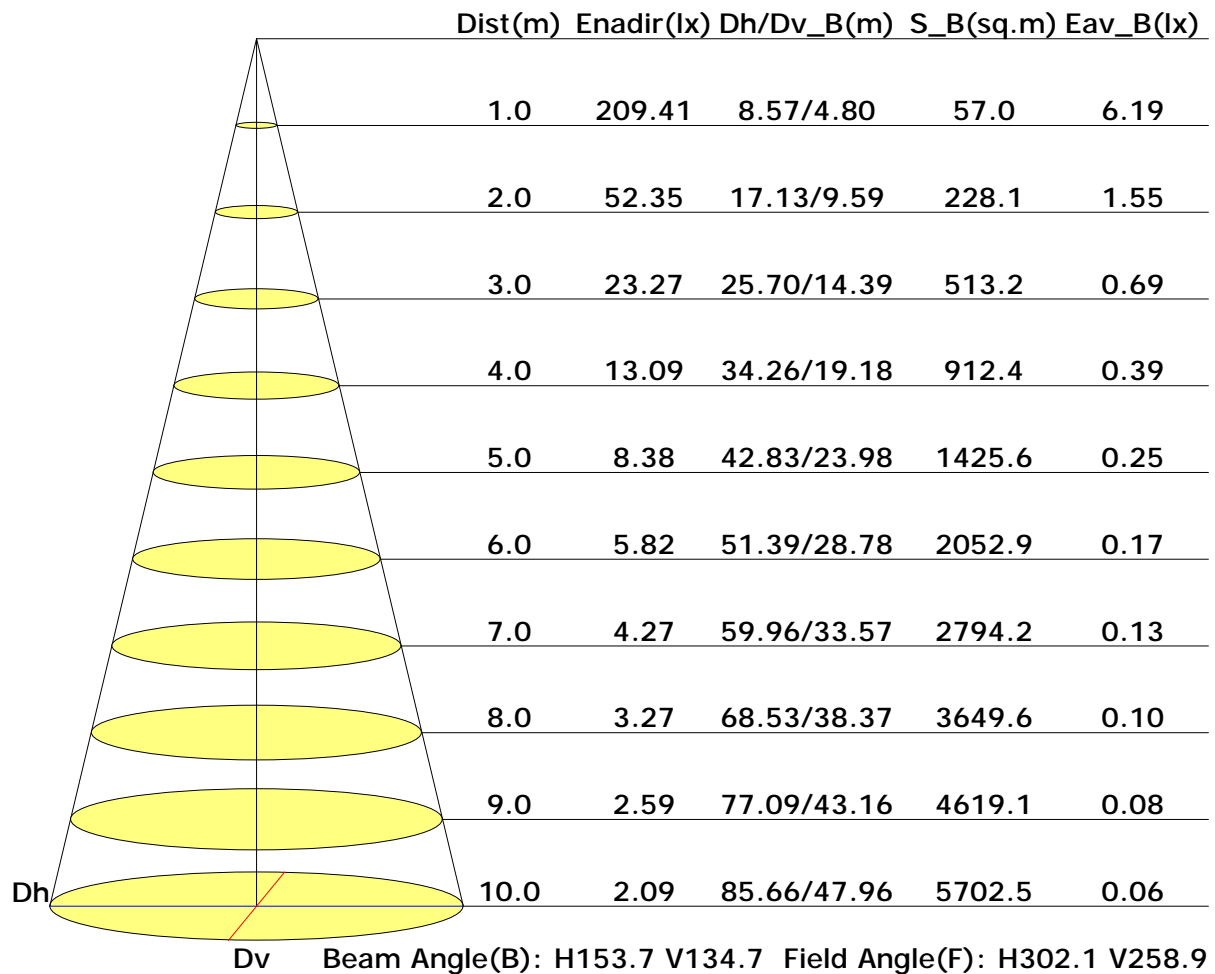
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	7569	7133	6700	6255	5799	5323	4832	4344	3920
C90	14306	14366	14435	14474	14526	14627	14960	16149	21179
C180	7420	6943	6462	5984	5488	4974	4465	3999	3681
C270	14634	14915	15243	15626	16100	16759	17833	19836	25095

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

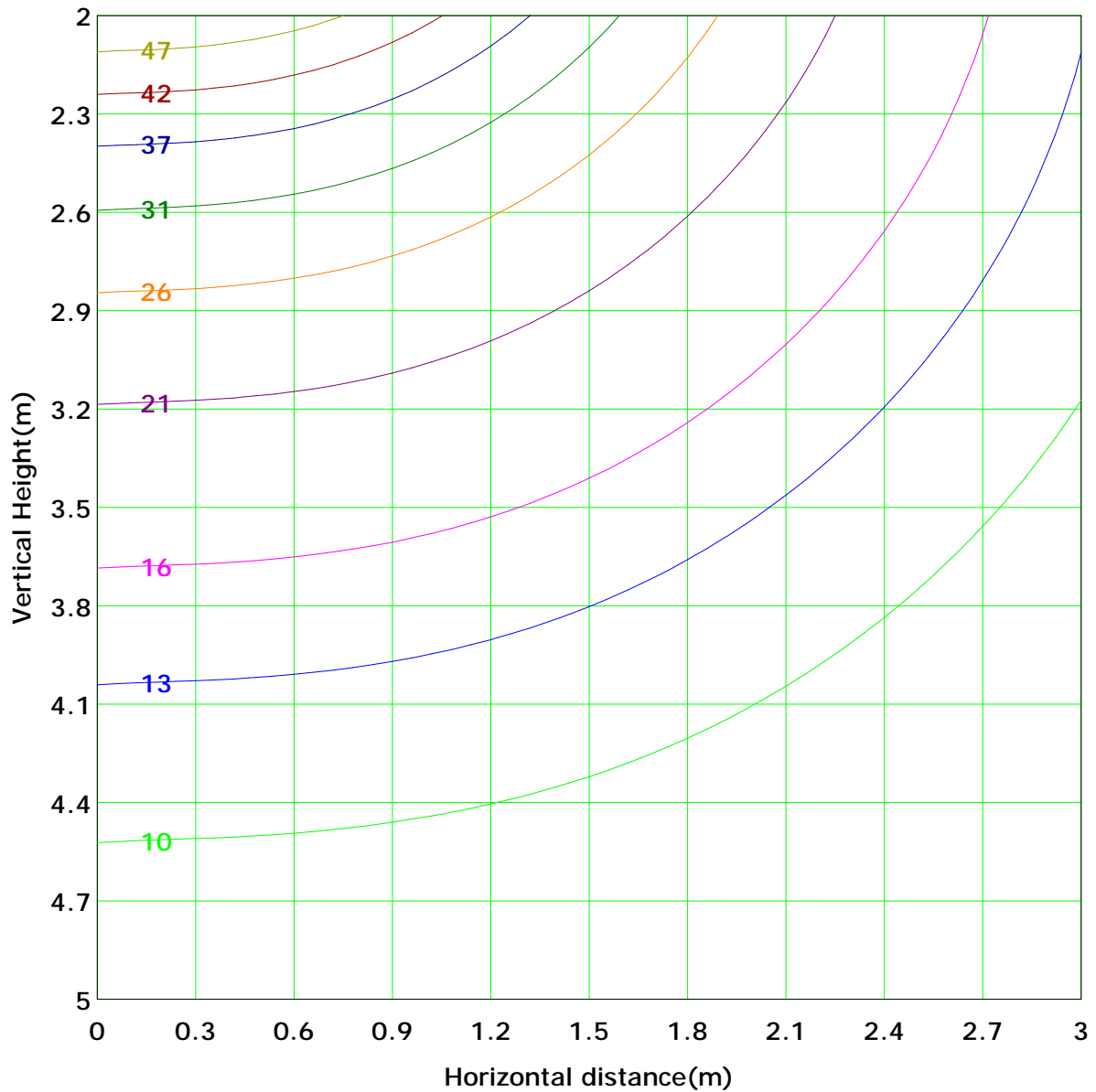


Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 2.0m	Highest(m): 5.0m	Max Lux: 52.4 lx
(10%): 5.2 lx	(20%): 10.5 lx	
(25%): 13.1 lx	(30%): 15.7 lx	
(40%): 20.9 lx	(50%): 26.2 lx	
(60%): 31.4 lx	(70%): 36.6 lx	
(80%): 41.9 lx	(90%): 47.1 lx	

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

Area Flux Table

Unit: lm

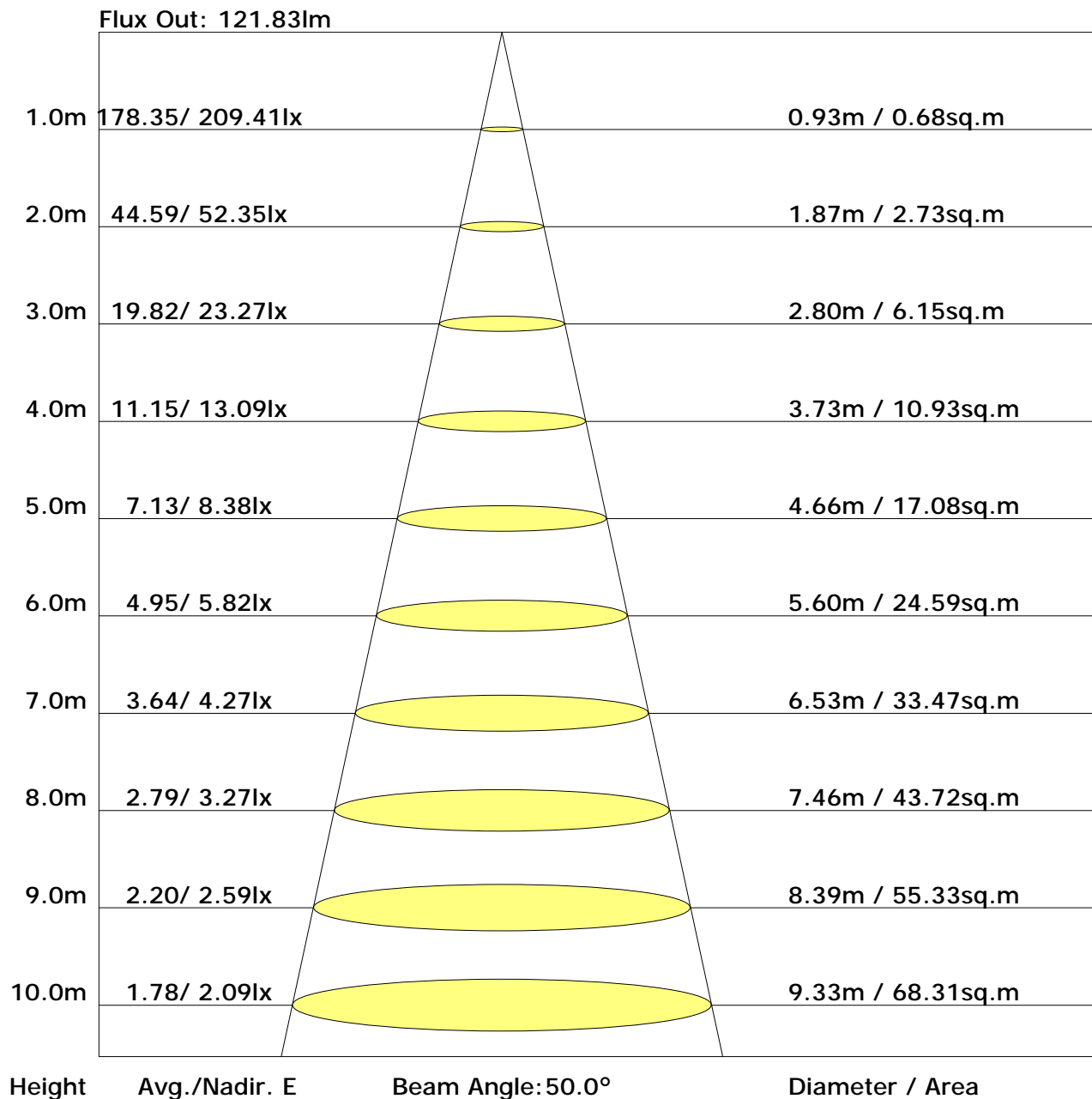
Vertical plane	Horizontal plane																	Flux(T)	Flux(E)	
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70			80
-90	0.2	0.5	0.6	0.7	0.6	0.4	0.5	1.0	1.5	1.9	2.2	2.4	2.3	2.1	1.7	1.2	0.7	0.2	20.6	19.9
-80	0.2	0.5	0.7	0.9	1.0	1.0	1.2	1.8	2.4	2.8	3.0	3.1	2.9	2.5	2.0	1.4	0.7	0.2	28.3	28.3
-70	0.2	0.5	0.9	1.2	1.5	1.7	2.0	2.7	3.3	3.7	3.9	3.9	3.6	3.0	2.3	1.5	0.8	0.2	37.0	37.0
-60	0.2	0.6	1.1	1.6	2.0	2.4	2.8	3.5	4.1	4.6	4.7	4.6	4.1	3.4	2.6	1.7	0.8	0.2	45.1	45.1
-50	0.2	0.7	1.3	1.9	2.6	3.1	3.5	4.2	4.8	5.2	5.4	5.2	4.6	3.8	2.8	1.8	0.9	0.2	52.1	52.1
-40	0.2	0.7	1.4	2.2	3.0	3.7	4.3	4.8	5.4	5.8	5.9	5.6	4.9	4.1	3.0	1.9	0.9	0.2	57.9	57.9
-30	0.2	0.8	1.6	2.5	3.4	4.3	4.9	5.3	5.8	6.1	6.2	5.8	5.2	4.2	3.0	1.9	0.9	0.2	62.3	62.3
-20	0.2	0.8	1.7	2.7	3.8	4.7	5.4	5.8	6.1	6.2	6.3	5.9	5.2	4.2	3.1	1.9	1.0	0.2	65.3	65.3
-10	0.2	0.9	1.8	2.9	4.0	5.0	5.8	6.2	6.3	6.3	6.2	5.9	5.2	4.2	3.1	1.9	1.0	0.2	67.2	67.2
0	0.2	0.9	1.8	3.0	4.1	5.2	5.9	6.4	6.4	6.3	6.1	5.7	5.0	4.1	3.0	1.9	0.9	0.2	67.1	67.1
10	0.2	0.9	1.8	2.9	4.0	5.1	5.9	6.3	6.4	6.1	5.7	5.3	4.7	3.8	2.8	1.8	0.9	0.2	64.7	64.7
20	0.2	0.8	1.7	2.8	3.9	4.9	5.7	6.1	6.1	5.8	5.2	4.8	4.2	3.4	2.5	1.6	0.8	0.2	61.1	61.1
30	0.2	0.8	1.6	2.6	3.7	4.6	5.3	5.7	5.7	5.4	4.7	4.2	3.7	3.0	2.3	1.5	0.8	0.2	56.0	56.0
40	0.2	0.8	1.5	2.4	3.3	4.2	4.8	5.1	5.1	4.7	4.1	3.4	3.0	2.5	1.9	1.3	0.7	0.2	49.5	49.5
50	0.2	0.7	1.4	2.2	2.9	3.6	4.2	4.4	4.3	3.9	3.3	2.6	2.3	2.0	1.6	1.1	0.6	0.2	41.7	41.7
60	0.2	0.7	1.3	1.9	2.5	3.0	3.4	3.5	3.3	3.0	2.4	1.8	1.6	1.5	1.2	0.9	0.6	0.2	33.0	33.0
70	0.2	0.7	1.2	1.7	2.1	2.4	2.6	2.5	2.3	2.0	1.5	1.0	0.8	0.9	0.9	0.8	0.5	0.2	24.3	24.2
80	0.2	0.7	1.1	1.5	1.8	2.0	2.1	1.9	1.6	1.2	0.8	0.4	0.3	0.5	0.7	0.6	0.5	0.2	18.2	17.4
90	3.9	13.0	24.5	37.6	50.3	61.4	70.2	77.2	80.9	80.8	77.6	71.7	63.8	53.3	40.5	26.8	14.1	4.1	851	
Flux(E)	3.9	13.0	24.5	37.6	50.2	61.1	69.9	77.1	80.9	80.8	77.5	71.3	63.4	53.2	40.5	26.8	14.1	4.1		850
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)

C Plane (°): 0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:



The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector:

UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	19.3	20.6	19.9	21.3	22.0	15.6	17.0	16.3	17.6	18.4
3H	22.0	23.2	22.6	23.8	24.7	17.3	18.5	18.0	19.2	20.0
4H	23.3	24.4	23.9	25.1	25.9	18.0	19.1	18.6	19.8	20.6
6H	24.6	25.7	25.3	26.4	27.2	18.5	19.6	19.2	20.3	21.1
8H	25.3	26.3	26.0	27.0	27.9	18.7	19.8	19.4	20.5	21.3
12H	26.0	27.0	26.7	27.7	28.6	18.9	19.9	19.6	20.6	21.5
X=4H Y=2H	19.6	20.7	20.2	21.4	22.2	16.5	17.7	17.2	18.4	19.2
3H	22.5	23.4	23.1	24.2	25.0	18.4	19.4	19.1	20.1	20.9
4H	23.9	24.8	24.6	25.5	26.4	19.2	20.1	19.9	20.8	21.7
6H	25.4	26.2	26.1	26.9	27.8	19.8	20.6	20.5	21.4	22.2
8H	26.1	26.9	26.9	27.6	28.5	20.1	20.8	20.8	21.6	22.5
12H	27.0	27.7	27.7	28.4	29.3	20.3	21.0	21.1	21.8	22.7
X=8H Y=4H	24.0	24.8	24.8	25.5	26.4	19.8	20.5	20.5	21.3	22.2
6H	25.6	26.3	26.4	27.1	28.0	20.6	21.2	21.4	22.0	22.9
8H	26.5	27.1	27.3	27.9	28.8	21.0	21.6	21.7	22.3	23.3
12H	27.5	28.0	28.3	28.8	29.8	21.3	21.9	22.1	22.7	23.6
X=12H Y=4H	24.0	24.7	24.8	25.5	26.4	20.0	20.6	20.7	21.4	22.3
6H	25.7	26.3	26.5	27.0	28.0	20.9	21.4	21.6	22.2	23.1
8H	26.6	27.1	27.4	27.9	28.9	21.3	21.8	22.1	22.6	23.6

Calculate in accordance with CIE 190:2010

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.48	0.56	0.63	0.69	0.76	0.81	0.84	0.89	0.93	
	0.30		0.40	0.48	0.56	0.61	0.69	0.74	0.78	0.84	0.88	
	0.20		0.35	0.42	0.49	0.55	0.63	0.69	0.73	0.80	0.84	
0.50	0.50	0.20	0.45	0.52	0.58	0.63	0.69	0.74	0.77	0.81	0.84	
	0.30		0.38	0.45	0.52	0.57	0.64	0.69	0.72	0.77	0.81	
	0.20		0.33	0.40	0.47	0.51	0.59	0.64	0.68	0.74	0.78	
0.30	0.50	0.20	0.42	0.48	0.54	0.58	0.64	0.67	0.70	0.74	0.77	
	0.30		0.36	0.42	0.48	0.53	0.59	0.63	0.67	0.71	0.74	
	0.20		0.31	0.37	0.44	0.48	0.55	0.60	0.63	0.68	0.72	
0.00	0.00	0.00	0.27	0.33	0.38	0.42	0.48	0.52	0.55	0.60	0.63	
Rating: 12W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	1.01	0.87	0.75	0.67	0.55	0.46	0.40	0.32	0.27	
	0.30		0.84	0.74	0.66	0.59	0.49	0.43	0.37	0.30	0.26	
	0.20		0.72	0.65	0.58	0.53	0.45	0.39	0.35	0.29	0.24	
0.50	0.50	0.20	0.93	0.80	0.69	0.61	0.50	0.45	0.37	0.30	0.25	
	0.30		0.79	0.70	0.61	0.55	0.46	0.40	0.35	0.28	0.24	
	0.20		0.68	0.61	0.55	0.50	0.42	0.37	0.33	0.27	0.23	
0.30	0.50	0.20	0.86	0.74	0.64	0.56	0.46	0.39	0.34	0.28	0.23	
	0.30		0.74	0.65	0.57	0.51	0.43	0.37	0.32	0.26	0.22	
	0.20		0.64	0.58	0.52	0.47	0.40	0.35	0.31	0.25	0.21	
0.00	0.00	0.00	0.52	0.47	0.41	0.37	0.31	0.27	0.24	0.20	0.17	
Rating: 12W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.37	0.38	0.39	0.39	0.40	0.41	0.41	0.42	0.42	
	0.30		0.30	0.31	0.32	0.33	0.35	0.36	0.37	0.38	0.39	
	0.20		0.25	0.26	0.27	0.28	0.30	0.32	0.33	0.35	0.36	
0.50	0.50	0.20	0.35	0.37	0.37	0.38	0.39	0.39	0.39	0.40	0.40	
	0.30		0.29	0.31	0.32	0.33	0.34	0.35	0.35	0.36	0.37	
	0.20		0.25	0.26	0.27	0.28	0.30	0.31	0.32	0.33	0.35	
0.30	0.50	0.20	0.34	0.35	0.36	0.37	0.37	0.38	0.38	0.38	0.38	
	0.30		0.29	0.30	0.31	0.32	0.33	0.34	0.34	0.35	0.36	
	0.20		0.24	0.25	0.27	0.28	0.29	0.30	0.31	0.33	0.33	
0.00	0.00	0.00	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21	
Rating: 12W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	207.2	0.2	0.2	0.02	0.02
1.0-2.0	207.3	0.6	0.8	0.06	0.07
2.0-3.0	207.3	1.0	1.8	0.09	0.17
3.0-4.0	207.4	1.4	3.2	0.13	0.30
4.0-5.0	207.6	1.8	5.0	0.17	0.46
5.0-6.0	207.7	2.2	7.1	0.20	0.66
6.0-7.0	207.9	2.6	9.7	0.24	0.90
7.0-8.0	208.0	3.0	12.7	0.28	1.18
8.0-9.0	208.1	3.4	16.1	0.31	1.50
9.0-10.0	208.2	3.8	19.8	0.35	1.85
10.0-11.0	208.3	4.2	24.0	0.39	2.23
11.0-12.0	208.3	4.6	28.6	0.42	2.66
12.0-13.0	208.3	4.9	33.5	0.46	3.12
13.0-14.0	208.3	5.3	38.8	0.50	3.61
14.0-15.0	208.2	5.7	44.6	0.53	4.15
15.0-16.0	208.1	6.1	50.7	0.57	4.71
16.0-17.0	207.9	6.5	57.1	0.60	5.32
17.0-18.0	207.6	6.8	64.0	0.64	5.95
18.0-19.0	207.3	7.2	71.2	0.67	6.62
19.0-20.0	207.0	7.6	78.8	0.70	7.33
20.0-21.0	206.5	7.9	86.7	0.74	8.07
21.0-22.0	206.0	8.3	95.0	0.77	8.84
22.0-23.0	205.4	8.6	103.6	0.80	9.64
23.0-24.0	204.8	9.0	112.6	0.83	10.47
24.0-25.0	204.1	9.3	121.8	0.86	11.34
25.0-26.0	203.3	9.6	131.4	0.89	12.23
26.0-27.0	202.5	9.9	141.3	0.92	13.15
27.0-28.0	201.6	10.2	151.6	0.95	14.10
28.0-29.0	200.7	10.5	162.1	0.98	15.08
29.0-30.0	199.7	10.8	172.8	1.00	16.08
30.0-31.0	198.6	11.1	183.9	1.03	17.11
31.0-32.0	197.4	11.3	195.2	1.05	18.16
32.0-33.0	196.1	11.6	206.7	1.08	19.24
33.0-34.0	194.8	11.8	218.5	1.10	20.34
34.0-35.0	193.5	12.0	230.6	1.12	21.46
35.0-36.0	192.0	12.2	242.8	1.14	22.59

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	190.5	12.4	255.2	1.16	23.75
37.0-38.0	189.0	12.6	267.8	1.17	24.92
38.0-39.0	187.3	12.8	280.6	1.19	26.11
39.0-40.0	185.6	12.9	293.6	1.20	27.32
40.0-41.0	183.8	13.1	306.7	1.22	28.54
41.0-42.0	181.9	13.2	319.9	1.23	29.77
42.0-43.0	180.1	13.3	333.2	1.24	31.01
43.0-44.0	178.1	13.4	346.7	1.25	32.26
44.0-45.0	176.1	13.5	360.2	1.26	33.52
45.0-46.0	174.0	13.6	373.8	1.27	34.79
46.0-47.0	171.9	13.7	387.5	1.27	36.06
47.0-48.0	169.7	13.7	401.2	1.28	37.34
48.0-49.0	167.4	13.8	414.9	1.28	38.62
49.0-50.0	165.1	13.8	428.7	1.28	39.90
50.0-51.0	162.8	13.8	442.5	1.28	41.18
51.0-52.0	160.4	13.8	456.3	1.28	42.46
52.0-53.0	157.9	13.7	470.0	1.28	43.74
53.0-54.0	155.3	13.7	483.7	1.27	45.01
54.0-55.0	152.8	13.6	497.3	1.27	46.28
55.0-56.0	150.2	13.6	510.9	1.26	47.54
56.0-57.0	147.5	13.5	524.4	1.25	48.80
57.0-58.0	144.7	13.4	537.8	1.25	50.04
58.0-59.0	141.9	13.3	551.0	1.24	51.28
59.0-60.0	139.1	13.1	564.2	1.22	52.50
60.0-61.0	136.2	13.0	577.2	1.21	53.71
61.0-62.0	133.3	12.8	590.0	1.20	54.91
62.0-63.0	130.4	12.7	602.7	1.18	56.09
63.0-64.0	127.3	12.5	615.2	1.16	57.25
64.0-65.0	124.3	12.3	627.5	1.15	58.40
65.0-66.0	121.2	12.1	639.6	1.13	59.52
66.0-67.0	118.1	11.9	651.5	1.11	60.63
67.0-68.0	114.9	11.6	663.1	1.08	61.71
68.0-69.0	111.8	11.4	674.5	1.06	62.77
69.0-70.0	108.5	11.1	685.7	1.04	63.81
70.0-71.0	105.3	10.9	696.6	1.01	64.82
71.0-72.0	102.1	10.6	707.2	0.99	65.81

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	98.9	10.3	717.5	0.96	66.77
73.0-74.0	95.6	10.1	727.6	0.94	67.71
74.0-75.0	92.4	9.8	737.4	0.91	68.62
75.0-76.0	89.2	9.5	746.8	0.88	69.50
76.0-77.0	86.0	9.2	756.0	0.85	70.35
77.0-78.0	82.9	8.9	764.9	0.83	71.18
78.0-79.0	79.8	8.6	773.4	0.80	71.98
79.0-80.0	76.9	8.3	781.7	0.77	72.75
80.0-81.0	74.0	8.0	789.7	0.74	73.49
81.0-82.0	71.2	7.7	797.5	0.72	74.21
82.0-83.0	68.7	7.5	804.9	0.69	74.91
83.0-84.0	66.3	7.2	812.1	0.67	75.58
84.0-85.0	64.1	7.0	819.1	0.65	76.23
85.0-86.0	62.1	6.8	825.9	0.63	76.86
86.0-87.0	60.3	6.6	832.5	0.61	77.48
87.0-88.0	58.9	6.4	839.0	0.60	78.08
88.0-89.0	57.7	6.3	845.3	0.59	78.66
89.0-90.0	56.6	6.2	851.5	0.58	79.24
90.0-91.0	55.9	6.1	857.6	0.57	79.81
91.0-92.0	55.2	6.0	863.7	0.56	80.38
92.0-93.0	54.6	6.0	869.7	0.56	80.93
93.0-94.0	54.1	5.9	875.6	0.55	81.48
94.0-95.0	53.6	5.9	881.4	0.54	82.03
95.0-96.0	53.1	5.8	887.2	0.54	82.57
96.0-97.0	52.6	5.7	893.0	0.53	83.10
97.0-98.0	52.1	5.7	898.6	0.53	83.63
98.0-99.0	51.5	5.6	904.2	0.52	84.15
99.0-100.0	51.0	5.5	909.7	0.51	84.66
100.0-101.0	50.3	5.4	915.1	0.51	85.16
101.0-102.0	49.7	5.3	920.5	0.50	85.66
102.0-103.0	49.1	5.3	925.7	0.49	86.15
103.0-104.0	48.4	5.2	930.9	0.48	86.63
104.0-105.0	47.7	5.1	936.0	0.47	87.10
105.0-106.0	47.1	5.0	940.9	0.46	87.57
106.0-107.0	46.4	4.9	945.8	0.45	88.02
107.0-108.0	45.8	4.8	950.6	0.45	88.47

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	45.2	4.7	955.3	0.44	88.90
109.0-110.0	44.7	4.6	959.9	0.43	89.33
110.0-111.0	44.1	4.5	964.5	0.42	89.75
111.0-112.0	43.4	4.4	968.9	0.41	90.17
112.0-113.0	42.8	4.3	973.2	0.40	90.57
113.0-114.0	42.1	4.2	977.5	0.39	90.96
114.0-115.0	41.4	4.1	981.6	0.38	91.35
115.0-116.0	40.7	4.0	985.6	0.38	91.72
116.0-117.0	40.1	3.9	989.6	0.37	92.09
117.0-118.0	39.4	3.8	993.4	0.36	92.45
118.0-119.0	38.8	3.7	997.1	0.35	92.79
119.0-120.0	38.2	3.6	1000.8	0.34	93.13
120.0-121.0	37.6	3.6	1004.3	0.33	93.46
121.0-122.0	37.0	3.5	1007.8	0.32	93.79
122.0-123.0	36.3	3.4	1011.1	0.31	94.10
123.0-124.0	35.7	3.3	1014.4	0.30	94.40
124.0-125.0	35.1	3.2	1017.6	0.29	94.70
125.0-126.0	34.4	3.1	1020.6	0.29	94.98
126.0-127.0	33.7	3.0	1023.6	0.28	95.26
127.0-128.0	33.0	2.9	1026.5	0.27	95.53
128.0-129.0	32.2	2.8	1029.3	0.26	95.78
129.0-130.0	31.5	2.7	1031.9	0.25	96.03
130.0-131.0	30.7	2.6	1034.5	0.24	96.27
131.0-132.0	30.0	2.5	1036.9	0.23	96.50
132.0-133.0	29.2	2.4	1039.3	0.22	96.72
133.0-134.0	28.5	2.3	1041.6	0.21	96.93
134.0-135.0	27.8	2.2	1043.8	0.20	97.13
135.0-136.0	27.1	2.1	1045.8	0.19	97.33
136.0-137.0	26.4	2.0	1047.8	0.19	97.51
137.0-138.0	25.7	1.9	1049.7	0.18	97.69
138.0-139.0	25.0	1.8	1051.6	0.17	97.86
139.0-140.0	24.3	1.7	1053.3	0.16	98.02
140.0-141.0	23.6	1.6	1054.9	0.15	98.17
141.0-142.0	22.9	1.6	1056.5	0.15	98.32
142.0-143.0	22.2	1.5	1058.0	0.14	98.46
143.0-144.0	21.5	1.4	1059.4	0.13	98.59

C Plane (°): 0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1800B
 Distance: 9.028 m
 Humidity: 60%
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	20.6	1.3	1060.7	0.12	98.71
145.0-146.0	19.8	1.2	1061.9	0.11	98.82
146.0-147.0	19.0	1.1	1063.1	0.11	98.93
147.0-148.0	18.1	1.1	1064.1	0.10	99.03
148.0-149.0	17.4	1.0	1065.1	0.09	99.12
149.0-150.0	16.7	0.9	1066.1	0.09	99.21
150.0-151.0	15.9	0.9	1066.9	0.08	99.29
151.0-152.0	15.2	0.8	1067.7	0.07	99.36
152.0-153.0	14.5	0.7	1068.5	0.07	99.43
153.0-154.0	13.9	0.7	1069.1	0.06	99.49
154.0-155.0	13.2	0.6	1069.8	0.06	99.55
155.0-156.0	12.6	0.6	1070.3	0.05	99.61
156.0-157.0	12.1	0.5	1070.9	0.05	99.66
157.0-158.0	11.5	0.5	1071.3	0.04	99.70
158.0-159.0	10.9	0.4	1071.8	0.04	99.74
159.0-160.0	10.3	0.4	1072.2	0.04	99.78
160.0-161.0	9.6	0.4	1072.5	0.03	99.81
161.0-162.0	9.0	0.3	1072.8	0.03	99.84
162.0-163.0	8.3	0.3	1073.1	0.03	99.87
163.0-164.0	7.7	0.2	1073.4	0.02	99.89
164.0-165.0	7.2	0.2	1073.6	0.02	99.91
165.0-166.0	6.6	0.2	1073.7	0.02	99.92
166.0-167.0	6.0	0.2	1073.9	0.01	99.94
167.0-168.0	5.5	0.1	1074.0	0.01	99.95
168.0-169.0	5.1	0.1	1074.1	0.01	99.96
169.0-170.0	4.7	0.1	1074.2	0.01	99.97
170.0-171.0	4.3	0.1	1074.3	0.01	99.98
171.0-172.0	3.9	0.1	1074.4	0.01	99.98
172.0-173.0	3.6	0.1	1074.4	0.00	99.99
173.0-174.0	3.3	0.0	1074.5	0.00	99.99
174.0-175.0	3.1	0.0	1074.5	0.00	99.99
175.0-176.0	2.8	0.0	1074.5	0.00	100.00
176.0-177.0	2.6	0.0	1074.5	0.00	100.00
177.0-178.0	2.5	0.0	1074.6	0.00	100.00
178.0-179.0	2.3	0.0	1074.6	0.00	100.00
179.0-180.0	2.2	0.0	1074.6	0.00	100.00

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 9.028 m
Humidity: 60%
Inspector: